

Rental – Multi-parameter Logging System



YSI 600XLM Sonde

The YSI 600XLM is an economical logging system for long-term, environmental monitoring, profiling, and spot sampling. It will log all parameters at programmable intervals and store 150,000 readings. At one-hour intervals, the instrument can log data for up to 75 days utilizing its own power source.

FEATURES

- The YSI 600XLM compact sonde measures eleven multiple parameters simultaneously
- Sonde fits down 2" wells (1.65" OD)
- Stirring-independent Rapid Pulse™ dissolved oxygen sensor
- Field-replaceable sensors for quicker maintenance
- Easily connects to data collection platforms such as the YSI 6200 DAS
- Available with detachable cables to measure depth up to 200'
- Compatible with YSI 650 Multiparameter Display System
- Use with the YSI 5083 flow cell for groundwater applications
- Horizontal measurements in very shallow waters



SPECIFICATIONS

SENSOR

Dissolved oxygen % saturation	Range	0 to 500%
	Resolution	0.1%
	Accuracy	0 to 200%: ±2% air sat 200 to 500%: ±6% air sat
Dissolved oxygen mg/L	Range	0 to 50 mg/L
	Resolution	0.01 mg/L
	Accuracy	0 to 20 mg/L: ±0.2 mg/L 20 to 50 mg/L: ±0.6 mg/L
Conductivity†	Range	0 to 100 mS/cm
	Resolution	0.001 to 0.1 mS/cm (range-dependent)
	Accuracy	±0.5% of reading + 0.001 mS/cm
Temperature	Range	-5° to +45°C
	Resolution	0.01°C
	Accuracy	±0.15°C
pH (includes most low-ionic-strength measurements)	Range	0 to 14 units
	Resolution	0.01 unit
	Accuracy	±0.2 unit
Non-vented depth, shallow	Range	0 to 30 feet (0 to 9 m)
	Resolution	0.001 foot (0.001 m)
	Accuracy	±0.06 foot (±0.02 m)
Non-vented depth, medium	Range	0 to 200 feet (0 to 61 m)
	Resolution	0.001 foot (0.001 m)
	Accuracy	±0.4 foot (±0.12 m)

Vented level	Range	0 to 30 feet (0 to 9 m)
	Resolution	0.001 feet (0.0003 m)
	Accuracy	0 to 10 feet (0 to 3 m) ±0.01 feet (0.003 m) 10 to 30 feet (3 to 9 m) ±0.06 feet (0.01 m)
ORP	Range	-999 to +999 mV
	Resolution	0.1 mV
	Accuracy	±20 mV
Salinity	Range	0 to 70 ppt
	Resolution	0.01 ppt
	Accuracy	±1% of reading or 0.1 ppt, whichever is greater

SONDE

Sampling Medium	Fresh, sea or polluted water
Temperature	-5° to +45°C
Computer interface	RS-232, SDI-12
Logging memory	384K flash ROM logs ~150,000 readings
Software	PC-compatible, Windows® 95 or higher; 256K RAM minimum Graphics card recommended
Size	1.65" dia., 21.3" long (4.32 x 54.1 cm)
Weight with batteries	1.5 lbs (0.7 kg)
External power supply	12 VDC
Internal power supply	4 AA-alkaline cells capable of logging for 75 days at one-hour intervals at 25°C

† Report outputs of specific conductance (conductivity corrected to 25° C), resistivity, and total dissolved solids are also provided. These values are automatically calculated from conductivity according to algorithms found in Standard Methods for the Examination of Water and Wastewater (ed 1989).

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